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REMARKS/ARGUMENTS

The above amendment and the following remarks accompany a request for continued examination (RCE) of this application and are in reply to the final Office action of 06/13/2007. In light of this reply, reconsideration and further examination of this application are respectfully requested.

Twenty-one claims (18-23, 25-31 and 33-40) were pending in this application. In the above amendment, three claims (18, 25 and 34) were amended and none was cancelled or added. Accordingly, 21 claims remain pending for reconsideration and further examination.

In section 3 of the final Office action, the Examiner rejected claims 18-23, 25-31 and 33-36 under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement, stating in pertinent part,

"As to independent claim 18, ... the claimed limitations, "a source PCB closely attached to a rear plane of the display panel" in lines 4-5 and "a driving circuit PCB closely attached to the rear plane of the display panel" in lines 8-9 [are not supported by the disclosure]. The disclosure, specifically Fig. 13 and the corresponding specification, page 19, only teaches the source PCB 830 (i.e., the claimed first PCB and source PCB), the LC panel driving circuit 840 (i.e., the claimed second PCB and driving circuit PCB), and the ADC 870, all *closely attached to the rear plane of mold frame 850, rather than to the rear plane of the display panel 810 ...*,"

and,

[As] to claim 25, ... the claimed limitations, "wherein the display panel includes a plurality of source drivers and gate drivers, and wherein the source drivers and gate drivers are all disposed on the second PCB [are not supported by the specification]. The disclosure, specifically Fig. 13 in view of Fig. 2 and the corresponding specification, only teaches a plurality of source drivers (data driving ICs 364) each disposed on a corresponding one of the data signal transmission films 363, *which are not elements of the LC panel (355/8 10)*, and a plurality of gate drivers (gate driving ICs 362) each disposed on a corresponding one of the gate signal transmission films 361/820, *which are not elements of the LC panel (355/8 10)*." (Emphasis added.)

In light of the above amendments to claims 18, 25 and 34, it is respectfully submitted that the above rejections are now moot. In particular,

Claim 18 was amended to recite, "a mold frame receiving the display panel;" and,

"a source PCB closely attached to a rear plane of the mold frame;"

Claim 34 was amended to recite, "wherein the signal converting unit and the second PCB are closely attached to a rear plane of the mold frame;" and,

Claim 25 was amended to recite, "wherein the display device includes a plurality of source drivers and gate drivers, and wherein the source drivers and gate drivers are all disposed on the second PCB," as particularly pointed out in, e.g., par. [0082] of the instant specification.

In light of the above amendments, it is respectfully submitted that the above rejection has been overcome and should be withdrawn.

In section 5, the Examiner rejected claims 18-23 and 25-31 under 35 U.S.C. 103(a) as being unpatentable over Baek et al. (US 6,977,640 B1, hereinafter Baek), and further in view of Takahashi et al. (US5,889,572), hereinafter Takahashi.

In section 6, the Examiner rejected claims 33-36 under 35 U.S.C. 103(a) as being unpatentable over Baek in view of Takahashi as applied to claim 18 above, and further in view of Furuhashi et al. (US 5,909,205), hereinafter Furuhashi, stating, in pertinent part,

As to claim 34, Fig. 6 of the Baek reference expressly shows the signal converting unit (42) and the second PCB (16, 21) *closely attached to a rear plane of the mold frame (the panel housing 22A)* (see col. 3, lines 54-58 and col. 4, lines 1-3). (Emphasis added.)

In section 7, the Examiner rejected claims 37-40 under 35 U.S.C. 103(a) as being unpatentable over Baek in view of Takahashi above, and further in view of Furuhashi, stating, in pertinent part,

"Furthermore, Baek teaches the signal converting unit (42) *closely attached to a rear plane of the receiving container (the panel housing 22A)* (see Fig. 6; col. 3, lines 54-58 and col. 4, lines 1-3)." (Emphasis added.)

In light of the amendment to independent claim 18 discussed above, and the limitations already present in independent claim 37, the above rejections are respectfully traversed.

In particular, as discussed above, independent claim 18 includes the distinguishing limitations,

"a mold frame receiving the display panel;" and,

"a source PCB closely attached to a rear plane of the mold frame."

Claim 37 includes the distinguishing limitations, "a receiving container receiving the display panel, the signal converting unit being closely attached to a rear plane of the receiving container."

A review of the Baek reference reveals that the "signal converting unit (42)" is disposed between the front plane of the "panel housing 22A" and the "backlight unit 24" (Baek, Fig. 6), and accordingly, does not and cannot meet the above limitations of independent claims 18 and 37 that the source PCB and/or the signal converting unit be closely attached to a rear plane of the mold frame/receiving unit. Additionally, it is further noted that neither Takahashi nor Furuhashi supply this deficiency in the teaching of Baek.

Additionally, as regards independent claim 18, the Examiner further states, at page 4, lines 4-10 of the Office action,

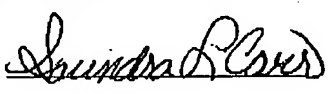
"Baek discloses ... a second PCB comprising a driving circuit PCB (16) having a first portion (21/13, 15) electrically connected to a source driver circuitry (a circuitry including source drivers 14) without using a separate connecting member (see Fig. 4-6)".

However, the FPC film/data bus and the control line (21/13, 15) equated by the Examiner to the "first portion" in fact belong to the "connecting members," which, moreover, is directly contradictory to the fact that the Examiner also equates the FPC film/data bus and the control line to "a second connecting member" in regard to claim 37 (Office action, page 7, line 9).

Thus, it is respectfully submitted that Baek does not teach or suggest the features, as claimed in claim 18 of the present invention, of "a second PCB comprising a driving circuit PCB ... having a first portion electrically connected to the first PCB without using a separate connecting member."

In light of the above distinctions, among others, between the present invention and the art relied upon by the Examiner, it is respectfully submitted that the above rejections in view of Baek, Takahashi and Furuhashi are untenable, and should be withdrawn, and that all 21 pending claims (18-23, 25-31 and 33-40) are now allowable over the art of record. Applicant therefore respectfully requests that a timely Notice of Allowance be issued in this case.

If there are any questions regarding this reply, the Examiner is invited to contact the undersigned at the number below.

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Respectfully submitted,



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